

### **Abstract of the Disclosure**

The reference SIR control command determination unit of a reference SIR control unit provides a DSP with  
5 a target BLER and obtains an observation time period Sinc and Sdec from a conversion table in which an observation time period T, a reference SIR increase step Sinc, and a reference SIR decrease step Sdec are set in advance in such a way to satisfy a theoretical  
10 equation, including the BLER. A register stores these pieces of data. A reference SIR increase/decrease control unit compares a result obtained by increasing/decreasing a reference SIR using Sinc or Sdec with an SIR measurement value, based on a data error  
15 state detected by a CRC detection unit and generates a transmission power control command.